

Amendments to the Drawings

Replacement sheets for Figs. 1-8 are enclosed which formalize the drawings which were submitted with the application. No other changes have been made.

REMARKS

Replacement sheets for Figs. 1-8 are submitted herewith which formalize the drawings currently on file. No other changes have been made. Approval by the Examiner is respectfully requested.

Applicants affirm the election of the invention of Group II, claims 17-23 with traverse made in the telephone conversation of June 26, 2007

The title has been amended as required by the Examiner. The specification has been amended to update the status of the copending applications as required by the Examiner. The abstract has been amended to be directed to a method as required by the Examiner.

Claims 17-23 were rejected under 35 USC 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention.

The claims have been amended to more clearly set forth the invention. Claims 18 and 19 have been cancelled. The subject matter of claims 18 and 19 have been incorporated into amended claim 17 and step (c) has been modified to indicate that concentrating of heat is provided by an electrical insulator coupling the aperture plate to the side walls. New claim 24 has been added to specify the emissivity properties of the manifold surfaces.

Claims 17-23 were rejected under 35 USC 103(a) as being unpatentable over Spahn et al (6,237,529) alone or when taken in view of Chang et al (4,854,263).

Claim 17 is the only independent claim in this application and it will be used as representative of the invention. Spahn provides no disclosure or suggestion of an electrical insulator coupling the aperture plate to the side walls. Furthermore, step (b) as amended now requires that the aperture plate include a first aperture plate emissive surface that emits radiation into the chamber at a higher emissivity than a second aperture plate emissive surface. There is nothing in Spahn which discloses or suggests these features for providing energy control and insuring that more energy to the vaporizing material and less energy to the substrate. This provides a method of vaporizing material such that the distance between the aperture plate and the substrate can be reduced thereby increasing the efficiency without excessive heat load to the substrate.

Applicants agree with the Examiner that Chang uses a gas inlet manifold with a plurality of apertures. As is required by element (a) of claim 17. Chang does not include separate emissive surfaces as required by element (b) nor do they concentrate heat as required by element (c). Accordingly, it is believed that amended claim 17, the only independent claim in this application, defines subject matter not disclosed, suggested or motivated by any of the cited references and should be allowable. The remaining dependent claims depend upon claim 17 and should be allowed along with it.


Claims 17-23 were provisionally rejected on the grounds of nonstatutory obviousness-type double patenting as being unpatentable over the claims 1-8 of copending Application No. 10/984,667. Claims 17-23 were provisionally rejected on the grounds of nonstatutory obviousness-type double patenting as being unpatentable over the claims 1-4 of copending Application No. 10/984,095.

Applicants submit herewith terminal disclaimers in view of the above copending applications which are believed to overcome this rejection.

It is believed that these changes now make the claims clear and definite and, if there are any problems with these changes, Applicants' attorney would appreciate a telephone call.

In view of the foregoing, it is believed none of the references, taken singly or in combination, disclose the claimed invention. Accordingly, this application is believed to be in condition for allowance, the notice of which is respectfully requested.

Respectfully submitted,


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If the Examiner is unable to reach the Applicant(s) Attorney at the telephone number provided, the Examiner is requested to communicate with Eastman Kodak Company Patent Operations at (585) 477-4656.